PCT/US2005/002941

```
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
Human Guanylin (SEQ ID NO: )
                                                                (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
--- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                               (SEQ ID NO:
--- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                              )
                                                                              )
                                                                (SEQ ID NO:
--- --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
--- --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
--- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
--- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
--- --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
--- --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
--- --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- --- Thr Cys Gly --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
--- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
--- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
--- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
--- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
--- --- Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
--- --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
                                                                               )
--- --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
--- --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO:
```

FIG. 3 (sheet 1 of 17)

PCT/US2005/002941

```
--- --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
                                                                                )
                                                                 (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
--- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
--- Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
--- Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                                 )
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                                 )
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala Cys Thr Gly Cys
                                                                                 )
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
```

FIG. 3 (sheet 2 of 17)

```
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
--- Gly Thr Cys --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- -- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
--- Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                                 )
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                                 )
                                                                                 )
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
```

FIG. 3 (sheet 3 of 17)

```
(SEQ ID NO:
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys ---- Cys
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
--- Gly Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys --- Ala Ala Cys Thr Gly Cys
--- Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                                 )
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                                 )
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys
--- Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                   (SEQ ID NO:
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
--- Gly Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                   (SEQ ID NO:
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                   (SEQ ID NO:
                                                                                  )
--- Gly Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                   (SEQ ID NO:
                                                                                  )
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                                  )
 --- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                   (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Cys Thr Gly Cys
                                                                                  )
                                                                   (SEQ ID NO:
                                                                                  )
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                   (SEQ ID NO:
                                                                   (SEQ ID NO:
                                                                                  )
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys
```

FIG. 3 (sheet 4 of 17)

```
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO:
                                                                (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- -- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Ala Ala Cys --- Gly Cys
--- Gly Thr Cys Gly Glu Ile Cys --- -- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- -- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Cys
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO:
```

FIG. 3 (sheet 5 of 17)

```
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr. Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
                                                              (SEQ ID NO:
Pro --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
Pro --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
                                                              (SEQ ID NO:
Pro --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
Pro --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys --- Clu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
                                                              (SEQ ID NO:
Pro --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
Pro --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                              (SEQ ID NO:
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
Pro --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys --- Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala --- Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                              (SEQ ID NO:
                                                                             )
Pro --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                              (SEQ ID NO:
                                                                             )
Pro --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                              (SEQ ID NO:
Pro --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                              (SEQ ID NO:
                                                                             )
Pro --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                              (SEQ ID NO:
                                                                             )
                                                                             )
Pro --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                               (SEQ ID NO:
                                                                             )
Pro --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                              (SEQ ID NO:
                                                                             )
Pro --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                              (SEQ ID NO:
```

FIG. 3 (sheet 6 of 17)

```
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr. Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
```

FIG. 3 (sheet 7 of 17)

```
(SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                                )
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
Pro --- Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Ala --- Cys Thr Gly Cys
Pro --- Thr Cys Gly Glu Ile Cys --- Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO:
```

FIG. 3 (sheet 8 of 17)

```
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- -- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                 (SEQ ID NO:
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
Pro Gly --- Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
```

FIG. 3 (sheet 9 of 17)

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```
Pro Gly --- Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO:
Pro Gly --- Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
Pro Gly --- Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
                                                                                 )
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
 Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
 Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                                 )
                                                                                 )
 Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                                 )
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
 Pro Gly --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
 Pro Gly --- Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
 Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                   (SEQ ID NO:
                                                                  (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                   (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys
 Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                   (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                   (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                   (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                   (SEQ ID NO:
 Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
```

FIG. 3 (sheet 10 of 17)

```
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
                                                                                 )
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
                                                                                 )
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Cys
                                                                  (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO:
```

FIG. 3 (sheet 11 of 17)

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```
Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly. Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
```

FIG. 3 (sheet 12 of 17)

```
Pro Gly Thr Cys --- -- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- -- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr .--- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO:
```

FIG. 3 (sheet 13 of 17)

```
Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Cys ThreGlyeCys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Cys
                                                                 (SEQ ID NO:
 Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                                )
Pro Gly Thr Cys Gly --- --- Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
                                                                               )
Pro Gly Thr Cys Gly --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
                                                                               )
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
```

FIG. 3 (sheet 14 of 17)

```
Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO:
 Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
                                                                                )
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Cys --- Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Cys Thr --- Cys (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                               )
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                               )
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
                                                                               )
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala --- Cys Thr Gly Cys
                                                                               )
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Ala Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
                                                                               )
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO:
```

FIG. 3 (sheet 15 of 17)

```
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys --- Gly Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Cys Thr --- Cys
                                                                  (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys --- Gly Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys --- --- Cys
                                                                 (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO:
```

FIG. 3 (sheet 16 of 17)

```
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Cys Thr Gly Cys (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Cys --- Gly Cys (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Cys Thr --- Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys
                                                               (SEQ ID NO:
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys
                                                               (SEQ ID NO:
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys
                                                               (SEQ ID NO:
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Cys Thr Gly Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Cys --- Gly Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Cys Thr --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Cys --- Gly Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- --- Cys
                                                               (SEQ ID NO:
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys
                                                               (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys
                                                               (SEQ ID NO:
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- -- Cys
                                                               (SEQ ID NO:
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys --- Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys --- Cys
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Cys Thr --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- --- Cys
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys
                                                                (SEQ ID NO:
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys
                                                                (SEQ ID NO:
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO:
```

FIG. 3 (sheet 17 of 17)

FIG. 4	sheet 1 of 114)

:	••
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(SEQID NO)	(SEQID SEQID
* ************************************	Y Cys X Cys X Cys X Cys X Cys X Cys
	r G1y
$\Sigma_{1,\Omega}$ b a b a b a b a b a b a b a b a b a b	Cys Thr Cys Th
	d a a a a a - x H H H H
GILY CALL	m m m m _ × 0 0 0 0 0
M A A A A A A A A A A A A A A A A A A A	Tyr Ale Tyr Ale Tyr Ale Xaa' Ale Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
	Cya Xaa Cya Xaa Zaa Zaa Zaa Zaa Zaa Zaa Zaa Zaa Za
Cys Ala Tile Cys Y Glu II YS Gly G Y Glu X Y Glu II Y Glu III	
Lu I Cys	
Gly G Cys G Thr Thr Thr Thr Thr Thr Thr Thr	
Cys G Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xa	
Xaa' Xaa' Xaaa'	Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa'
Xaa	
6114 X X G G G G G G G G G G G G G G G G G	
Property of the property of th	

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FIG. 4	(sheet 3 of 114)

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	Pro Gly	_	Pro Gly					Pro Gly			Pro Gly					Pro Gly		Pro Gly										Pro Gly	_	_	Pro Gly

FIG. 4 (sheet 4 of 114)

(SEQID NO:	
Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Cly Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Cly Cys Gly Glu Ile Cys Ala Tyr Ala Aa' Ala Cys Thr Cly Cys Gly Glu Ile Cys Ala Tyr Ala Aa' Ala Cys Thr Cly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Cly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Cys Hala Tyr Ala Ala Cys Xaa' Thr Gly Cys Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly	Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa'
Thr Cys	
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Pro Pro Pro	Pro Pro	Pro	Pro	Pro	Pro	Pro	Pro	P F	DIA C	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro

FIG. 4 (sheet 6 of 114)

(sheet 7 of 114)

(SEQID NO: SEQID NO (SEQID NO SEQID NO: SEQID NO: (SEQID NO: SEQID NO: (SEQID NO: Cys Xaa' Thr Gly Cys Thr Xaa' Gly Cys Gly Xaa' Cys Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Thr Xaa' Gly Cys Сyв Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ala Xaa' Ala Cys Thr Gly Cys Сув Cys Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Cys Thr Gly Xaa' Cys Cys Thr Gly Cys Xaa' Cys Xaa Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' Thr Gly Thr Xaa' Gly Xaa' Ala Cys Thr Gly Thr Gly Cys Xaa' Thr Gly Xaa' Gly Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Ala Cys Thr Gly Cys Cys Thr Gly Cys Thr ( လိုအ Thr Tyr Ala Xaa' Ala Cys Thr Ala Tyr Ala Ala Cys Ala Tyr Ala Ala Cys Ala Xaa' Ala Xaa' Cys Xaa' Tyr Ala Ala Cys Xaa' Ala Tyr Ala Ala Ala Xaa' Ala Ala Xaa' Ala Ala Xaa' Ala Ala Xaa' Ala Ala Ala Xaa' Ala Ala Xaa' Ala Ala Xaa' Ala Tyr Ala Ala Xaa' Ala Xaa' Ala Xaa' Tyr Tyr Tyr Tyr Tyr Tyr Tyr Tyr Tyr Xaa' Xaa' Ala Сув Сув Cys Сув Cys Cys Cys CyB Сyв Ile Glu Ile Ile Ile Ile Ile Ile Ile Ile Glu Glu Glu Glu GJu Glu Glu Gly GlyCys Gly G1yGly G1yGly Gly Cys Gly Cys Gly Cys Gly Cys Gly Xaa Xaa' Xaa' Xaa' Xaa' Xaa Xaa Xaa' Xaa' Xaa, Xaa Xaa Xaa' Xaa' Xaa' Xaa 1 Thr 캼 Xaa' Xaa' Xaa' Xaa Xaa Xaa Xaa' Xaa Xaa' Xaa, Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa ' Xaa' Xaa' Xaa Xaa Xaa Xaa' Gly Gly Gly G1yGly Gly Gly Gly дλ Gly Gly Gly. Gly ; Gly G1yGly Gly  $_{\rm Gly}$ Gly Gly Gly Gly Gly Gly  $_{\rm Gly}$ Gly Pro 23 먑 ဥ

FIG. 4 (sheet 8 of 114)

Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Xaa' Cys Thr Zaa' Gly Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Xaa' Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Xaa' Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Xaa' Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Xaa' Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Xaa' Cys (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Xaa' cys Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEGID NO) Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Thr Gly Cys (SEGID NO) Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Lie Cys Ala Tyr Ala Ala Cys Thr Gly Cys Thr Gly Cys (SEGID NO) Pro Gly Xaa' Thr Cys Xaa'
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GUU IIE Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: Glu IIE Cys Ala Tyr Ala Xaa' Ala Cys Thr Gl
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FIG. 4 (sheet 13 of 114)

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	Ala Xaa'	Ala Xaa'	Ala Xaa'	Ala Xaa'	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	Ala Tyr	,	e)
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FIG. 4 (sheet 20 of 114)

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FIG. 4 (sheet 21 of 114)

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Tyr Tyr Tyr Tyr Tyr	13/2 13/2 13/2 13/2	Tyr Tyr Tyr Tyr Tyr	Xaa' Xaa' Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa' Xaa' Xaa' Xaa'
Ala Xaa Ala Xaa Ala Xaa Ala Xaa Ala Xaa		Ala Xaa Ala Xaa Ala Xaa Ala Xaa Ala Xaa Ala Xaa		Ala Tyr
Cys Cys Cys Cys Cys	Cys Cys Cys Cys	Cys Cys Cys Cys Cys	CY8 CY8 CY8 CY8 CY8 CY8	Cys Cys Cys Cys Cys
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FIG. 4	(sheet 23 of 114)
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Cys Gly Cys Gly Cys Gly Cys Gly	Cys Gly Cys Gly Cys Gly	Cys Gly Cys Gly Cys Gly	Cys Gly Cys Gly Cys Gly	Cys Gly Cys Gly	Cys Gly Cys Gly Cys Gly	Cys Gly	Cys Gly Cys Gly	Cys Gly Cys Gly Cys Gly	Cys Gly	Cys Gly Cys Gly	Thr Cys Gly G Thr Cys Gly G Thr Cys Gly G Thr Cys Gly G
Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa'	Pro Gly Xaa' 1 Pro Gly Xaa' 1 Pro Gly Xaa' 7 Pro Gly Xaa' 7 Pro Gly Xaa' 7

FIG. 4	(sheet 24 of 114)
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Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Thr Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Cly Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Cly Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Caly Xaa' Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Cly Xaa' Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Pro Gly Xaa' Thr Cys Gly Glu IIe Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Cly Cys Xaa' Pro Gly Xaa' Thr Cys Gly Glu IIE Cys Ala Tyr Ala Ala Cys Thr Cal Xaa' Xaa' Cys CsGOlD NO Pro Gly Xaa			
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	Gly Xaa' Thr	Gly Xaa Thr	Gly Xaa' Thr

FIG. 4 (sheet 25 of 114)

FIG. 4 (sheet 26 of 114)

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	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Inr Gly Cys	Xaa Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly	Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly	Gly Xaa' Glu Ile Cys Ala Tyr	Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr	Gly Xaa' Glu Ile Cys Ala	Gly Xaa' Glu Ile	Gly Xaa' Glu Ile Cys Ala	Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly (Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys	Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr	Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly	Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr	Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly	Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly	Glu Xaa' Ile	Ala Tyr Ala Ala Cys Xaa' Thr	' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys		Gly Glu	Gly Glu Ile Xaa'	Gly Glu Ile Xaa' Xaa' Cys Ala	Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr	Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr	Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr	Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly	Gly Glu Ile Xaa'	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr	' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Cys Thr	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	
	Xaa	Xaa	Хаа	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Хаа	Xaa	Хаа	Xaa	Xaa	Xaa	Xaa	Хаа	Xaa	Хаа	Xaa	Хаа	Хаа	Xaa	Xaa	Xaa	Xaa	Xaa	
	Gly Thr	Pro Gly Thr Xaa'	Gly	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Pro Gly Thr Xaa'	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr		Gly Thr	Gly	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr		Pro Gly Thr Xaa'	

FIG. 4 (sheet 27 of 114)

Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Xaa' Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Ala Ala Xaa' Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Xaa' Ala Tyr Ala Ala Cy8 The Gly Cy8 Xaa' (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 Xaa' (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Xaa' Tyr Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Tyr Xaa' Aa' Aca' The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Tyr Xaa' Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Tyr Xaa' Ala Ala Cy8 The Gly Cy8 (SEQID NO: Pero Gly Thic Xaa' Xaa' Cy8 Gly Glu IIe Cy8 Ala Tyr Ala Xaa' Ala Cy8 The Gly Cy8 (SEQID NO: Pero
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Gly Thr Xaa' Xaa'
61y Thr 61y Thr

FIG. 4 (sheet 28 of 114)

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FIG. 4 (sheet 29 of 114)

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Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Xaa' Glu Ile Cys Xaa' Ala	Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Xaa' Glu Ile Cys Ala	Xaa' Glu	Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr	Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr	Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr	Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr	Glu Ile Xaa' Cys Ala Xaa' Tyr	Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	
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FIG. 4 (sheet 30 of 114)

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Cys Ala Tyr Ala A Cys Ala Tyr Ala A Xaa' Ala Tyr Ala A Xaa' Xaa' Ala Tyr Xaa' Ala Tyr Xaa' Xaa' Ala Tyr Ala X	Ala Ala Ala Ala Ala ' Tyr	Ala Ala Ala Ala Ala	Tyr Xaa' Ala Tyr Ala Xaa' Tyr Ala Xaa' Tyr Ala Xaa' Tyr Ala Xaa'	
Gly Glu Ile Xaa' (Gly Glu Ile Xaa' (Gly Glu Ile Cys XaGly Glu Ile Cys Xa	Glu Ile Cys Glu Ile Cys Glu Ile Cys Glu Ile Cys Glu Ile Cys Glu Ile Cys	Glu Ile Cys Glu Ile Cys Glu Ile Cys Glu Ile Cys Glu Ile Cys	Glu Ile Cys	2 ()
Cys Xaa'	Xaa' Xaa' Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa' Xaa'		- F
	Gly Thr Gly Thr Gly Thr Gly Thr Gly Thr Gly Thr	Gly Thr Gly Thr Gly Thr Gly Thr Gly Thr		77

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Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (Xaa' Cys Xaa' Cys Xa	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	_	' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys	' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa'	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr				Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa'	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa'	Xaa' Cys Xaa'	Xaa' Cys Xaa'	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa'	Xaa'	Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Kaa'	Xaa	Xaa' Cys	Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Xaa' Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Xaa' Cys Gly Xaa' Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	Xaa' Cys	_	Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (	(sneet 31 of 114)
Thr Thr										Thr									Thr										Thr		-	Thr	
Gly Gly							Gly																			_	_	_	Gly	_	_	Gly	
Pro	Pro	Prc	Prc	Prc	Prc	Pro	Prc	Pro	Pro	Pro	Pro	Pro	Pro	Prc	Prc	Prc	Pro	Prc	Pro	Pro	Pro	Prc	Pro	Prc	Prc	Prc	Prc	Pro	Prc	Prc	Pro	Prc	

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Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa'	Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Ala Tyr Ala Ala Cys Thr	Ala Ala Cys Thr	Ala Ala Cys Thr	Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly	Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly	Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa'	Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa'	Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys >	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly (	Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr	Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly	Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr	Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr	Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thi	Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Th	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Th	Glu Ile Xaa' Cys Ala Tyr Ala	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa'	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly	Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly	Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr	Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr	Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr	Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr	Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly	Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	
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Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Pro Gly Thr Xaa'	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Pro Gly Thr Xaa'	Gly Thr	

FIG. 4 (sheet 33 of 114)

FIG. 4 (sheet 34 of 114)

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Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa'	Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys	Thr Xaa' Gly Xaa'	Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	Ala Tyr Ala Ala Cys Thr Gly Xaa'	Cys Ala Tyr Ala Ala Cys Thr Gly Xaa'	Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys >	Thr Gly Cys X	Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa'	Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	A CyE	Thr Gly	Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	Thr Gly	Ala Ala Cys Thr Gly	Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys		Ala Ala Cys Thr Xaa' Gly	Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Thr Gly		Thr Gly	Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	
Glu	Glu	' Glu	' Glu	· Glu	Glu	' Glu	Gln	' Glu	Glu	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa'	Xaa	Xaa '	Xaa	Xaa'	Xaa' I	Xaa' I	Xaa'	
Gly Xaa Gly Xaa	Gly Xaa	Gly Xaa	Gly Xaa	Gly Xaa	Gly Xaa	Gly Xaa	Gly Xaa	Gly Xaa	Gly Xaa	Gly Glu	Gly Glu	Gly Glu		Gly Glu	Gly Glu	Gly Glu	Gly Glu	Gly Glu	Gly Glu	Gly Glu	Gly Glu	Gly Glu					Gly Glu	Gly Glu	Gly Glu	Gly Glu	Gly Glu	ly Glu	
Cys (	_	_	_		_					Cys G			Сув G		Cys G			Сув С									Cys G		-	-	Cys G	Cys G	
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FIG. 4 (sheet 35 of 114)

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Gly Thr Xaa'	Xaa' Cys Gly Glu	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr Xaa' Cys	Gly Thr Xaa'	Gly Thr		Gly Thr	Gly Thr	

FIG. 4 (sheet 36 of 114)

'ys xaa'         (SEQID NO: )           'gty         (SEQID NO: )           'gty Cys         (SEQID NO: )           'gty Cys         (SEQID NO: )           'gty Cys         (SEQID NO: )           'ys xaa'         (SEQID NO: )           'a' Xaa'         (SEQID NO: )           'gty Cys         (SEQID NO: )           'gty Cys         (SEQID NO: )           Gly Cys <th></th>	
Cys (SEQID)	
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Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Gys Thr Gly Cglu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cglu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cglu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xglu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xglu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cglu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xglu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xglu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xglu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xglu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Cly Xaa' Clu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Clu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Clu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Clu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Clu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xa Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xa Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xa Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Clu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala C	7
Сув         61 у           Сув         61 у <th></th>	
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FIG. 4 (sheet 37 of 114)

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m Thr}$ ThrCys Xaa' Thr Thr ( Cys Thr Ala Xaa' Tyr Ala Ala Ala Ala Cys Ala Ala Cys Ala Tyr Ala Ala Xaa' Ala Xaa' Tyr Tyr Tyr Tyr Xaa' Xaa' Ala Ala Xaa¹ Xaa Xaa' Xaa' Xaa' Ala Xaa' Ala Xaa' Ala Xaa' Ala Xaa Xaa' Ala Xaa' Tyr Tyr Tyr Tyr Tyr 뀫 Tyr TYT Tyr ΤζŢ Xaa Xaa' Xaa ' Xaa' Xaa' Ala CyB CyB Cys Cys CyB Сув Cys CyB Ç Сув Сув Сyв Çys Сув Cys CyB Ç Xaa' Xaa' Xaa ' Xaa' Xaa Xaa Xaa' Xaa' Xaa' Xaa Xaa' Xaa' Xaa ' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa Xaa' Xaa' Xaa' Xaa t Ile Gla Glu Gly G1yGly G1yCys Сув Сув Сув Cys Cys Cys Cys Сув Сyв Cys Cys Сув Сyв Xaa' Xaa' Xaa' Xaa Xaa' Xaa' Xaa' Xaa' Xaa' Xaa ' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa Xaa' Xaa' Xaa' Xaa Xaa' Xaa' Xaa' Thr Thr Thr Thr Thr Thr Thr  $\operatorname{Thr}$ Thr Thr Thr Thr  $\operatorname{Thr}$ Thr  $\operatorname{Thr}$ Thr Thr Thr Thr Thr Thr G1yGly Gly Gly Gly Gly Gly Gly Gly Gly  $G_{LY}$ Gly Gly Gly Gly Gly Gly Gly Pro Gly Gly  $GL_{Y}$ Gly G1yPro Gly Gly G1yPro Pro Pro

FIG. 4 (sheet 38 of 114)

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Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys	Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly	Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa'	Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa'	Glu Ile Xaa' Cys Ala Tyr Ala	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa'	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa'	Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr	Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa'	Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	Ile Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly	Glu Ile Cys Xaa' Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly	· Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly		Ala Ala Cys Xaa' Thr Gly	Glu :	Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Ala Ala Cys Thr Gly Cys X	glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly (		Ala Ala Cys Thr	Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys	\ \{\}!!
Cys Cys					Cys																									Cy8	Суз	$C_Y^{B}$	
Pro Gly Thr Xaa' Pro Gly Thr Xaa'	Gly Thr	Gly Thr	Gly Thr	GLY Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Glу	

FIG. 4 (sheet 39 of 114)

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Cvs Glv Glu Ile Cvs Xaa' Ala Xaa' Tvr Ala Ala Xaa' Cvs Ihr Glv Cvs (S	Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys	Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys	Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys	Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa'	Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys	Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys	Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys	Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa'	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys	Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys	Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys	Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (	Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys	. Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa'	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa'	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys	' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys	
Thr Yaa			Thr Xaa	Thr Xaa	Thr Xaa						Thr Xaa	Thr Xaa						Thr Xaa	Thr Xaa					Thr Xaa	Thr Xaa	Thr Xaa			Thr Xaa	Thr Xaa	Thr Xaa	Thr Xaa	Thr Xaa	
ר אונט כאם	G17	Gly	-			GI,	Gly	Gly	Gly		Gly	Gly		Gly	Gly	Gly	Gly	Gly	Gly	Pro Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Pro Gly	Pro Gly	

FIG. 4 (sheet 40 of 114)

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Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa'	Tyr Ala Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Tyr Ala Xaa' Ala Cys Thr Gly	Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys X Tyr Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Ala Ala Cys Thr Gly Tyr Xaa' Ala Xaa' Ala Ala Cys Thr Gly	Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Tyr Ala Xaa' Ala Cys Thr Gly Cys Tyr Ala Xaa' Ala Cys Thr Gly Cys Tyr Ala Xaa' Ala Xaa' Ala Cys Thr Gly Tyr Ala Xaa' Ala Xaa' Ala Cys Thr Gly Tyr Ala Xaa' Ala Cys Thr Gly Tyr Ala Xaa' Ala Cys Xaa' Thr Gly	Tyr Ala Xaa' Ala Cys Thr Xaa' Tyr Ala Xaa' Ala Cys Thr Gly; Tyr Ala Xaa' Ala Cys Thr Gly; Tyr Ala Ala Xaa' Cys Thr Gly; Tyr Ala Ala Xaa' Xaa' Cys Thr
Cys Xaa' Cys Xaa' Cys Xaa' Cys Xaa' Cys Xaa'	Cys Ala X	Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala	Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala	Cys Ala Xaa Cys Ala Xaa Cys Ala Xaa Cys Ala Xaa Cys Ala Xaa
Gly Glu Ile	Glu Glu Glu Glu Glu	Glu Glu Glu Glu Glu Glu	Glu Glu Glu Glu Glu Glu Glu Glu	Gly Glu Ile Gly Glu Ile Gly Glu Ile Gly Glu Ile Gly Glu Ile
Cys Cys Cys Cys Cys	Cys Cys Cys Cys Cys	Cys Cys Cys Cys Cys Cys Cys	Cys Cys Cys Cys Cys Cys	Cys G Cys G Cys G Cys G
Thr Thr Thr Thr	Thr Thr Thr Thr		Thr Thr Thr Thr	
Pro Gly Pro Gly Pro Gly Pro Gly Pro Gly Pro Gly	Pro Gly Pro Gly Pro Gly Pro Gly	Pro Gly	Pro Gly	Pro GLY Pro GLY Pro GLY Pro GLY Pro GLY Pro GLY

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(SEQID NO:	
Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Tyr Ala Ala Cys Thr Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Cys Xaa' Tyr Ala Ala Cys Thr Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Aaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Aaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Aaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Aaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Aaa' Ala Aa' Aaa' Ala Cys Thr Gly Cys Tyr Xaa' Ala Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Xaa' Ala Ala Cys Thr Gly Cys Tyr Xaa' Ala Ala Ca's Thr Gly Cys	Tyr Xaa' Ala Xaa' Ala Cys Illi Aaa Giy Cys Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys
Gly Glu Ile Cys Gly	Cys Gly Glu Lle Cys Ala Cys Gly Glu Ile Cys Ala Cys Gly Glu Ile Cys Ala Cys Gly Glu Ile Cys Ala
Xaa	GLY Thr GLY Thr GLY Thr GLY Thr

FIG. 4 (sheet 42 of 114)

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1' Ala Ala Xaa' Xaa' Cys Thr Gly Cys	' Ala Ala Xaa' Cys Xaa' Thr	1' Ala Ala Xaa' Cys Thr Xaa' Gly Cys	1' Ala Ala Xaa' Cys Thr Gly Xaa' Cys	' Ala Ala Xaa' Cys Thr	' Ala Ala Cys Xaa' Thr Gly	a' Ala Ala Cys Xaa' Xaa' Thr Gly Cys	' Ala Ala Cys Xaa' Thr	' Ala	a' Ala Ala Cys Xaa' Thr Gly Cys Xaa'	Ala	' Ala Ala Cys Thr Xaa'	' Ala Ala	Ala Ala Cys Thr Xaa'	Ala Ala Cys Thr	Ala Ala	Ala Ala Cys Thr	a' Ala Ala Cys Thr Gly Cys Xaa'	Ala Ala Cys Thr Gly	a Xaa' Ala Cys Thr Gly Cys	Xaa' Xaa' Ala Cys	Xaa' Xaa' Ala	Xaa' Xaa' Ala Xaa' Cys Thr	Xaa' Xaa' Ala Cys Xaa' Thr	Xaa' Xaa' Ala Cys Thr Xaa' Gly	Xaa' Xaa' Ala Cys Thr Gly Xaa'	Xaa' Xaa' Ala Cys Thr	Xaa' Ala Xaa' Cys Thr Gly (	Xaa' Ala Xaa' Xaa' Cys Thr	Xaa' Ala Xaa' Cys Xaa' Thr	Xaa' Ala Xaa' Cys Thr Xaa' Gly	Xaa' Ala Xaa' Cys Thr Gly Xaa'	Xaa' Ala Xaa' Cys Thr Gly (	a Xaa' Ala Cys Xaa' Thr Gly Cys	{ }
Xaa	: Xaa	: Xaa	: Xaa	: Xaa	. Xaa	: Xaa	: Xaa	. Xaa	r Xaa	r Xaa'	r Xaa	г Хаа	r Xaa'	r Xaa'	r Xaa'	r Xaa	r Xaa	г Хаа	r Ala	r Ala	r Ala	r Ala	r Ala	r Ala	r Ala	r Ala	r Ala	r Ala	r Ala	r Ala		r Ala	r Ala	
a Tyr	٠.	Ε.	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	•	a Tyr	•	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	-	٠.	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Tyr	a Ty	
s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	s Ala	Cys Ala	rs Ala	Cys Ala	Cys Ala	rs Ala	
lle Cys	lle Cys	lle Cys	lle Cys	Ile Cys	lle Cys	Ile Cys	lle Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cys	Ile Cy	Ile Cys	Ile Cy	Ile Cy	le رې	
[I I]	Glu Il	Glu Il	Glu Il	Glu Il	Glu Il	Glu Il	Glu IJ	Glu Il	Glu Il	Glu IJ	Glu I]	Glu Il	Glu I	Glu I]	Glu I]	Glu I]	Glu I]	Glu I]	Glu I]	Glu I]	Glu I	Glu I	Glu I]	Glu I]	Glu I]	Glu I	Glu I	Glu I	Glu I	Glu I	Glu I	Glu I	lu	
Gly G					Gly G	31y G	_				Gly G			_		Gly G	Gly G	Gly G	Gly G	Gly G				Gly G	Gly G		-	_	_	Gly G	3ly G	31y G	ly G	
Cys G	_	_	Cys G	_	_	-																		Cys G						•	Cys G	Cys G	Cys G	
Xaa' C																								Xaa' (					•	_	aa' (	aa¹ (	aa' (	
Thr X																								Thr X										
Gly T																								Gly T									-	
	Pro G																																	

FIG. 4 (sheet 43 of 114)

FIG. 4	(sheet 44 of 114)
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FIG. 4	(sheet 45 of 114)

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FIG. 4 (sheet 46 of 114)

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Gly Thr Cys Xaa'
G1y Thr Cys
61y Thr 61y Thr
Pro

FIG. 4 (sheet 47 of 114)

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Gly Thr Cys Xaa'
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FIG. 4 (sheet 48 of 114)

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FIG. 4 (sheet 49 of 114)

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Glu Glu Glu Glu	Glu Glu Glu Glu Glu	Glu Glu Glu Glu Glu Glu	Glu Glu Glu Glu Glu Glu Glu	Glu Glu Glu Glu Glu Glu
	Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa'	Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa' Gly Xaa'
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Cys Cys Cys Cys	Cys Cys Cys Cys Cys Cys	Cys Cys Cys Cys Cys Cys Cys	Cys Cys Cys Cys Cys	Cys Cys Cys Cys Cys
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## FIG. 4 (sheet 51 of 114)

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Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Gys Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Cys Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Cys Ala Tyr Ala Ala Cys Thr Xaa' Ala Tyr Ala Ala Cys Thr Ala Xaa' Tyr Ala Ala Cys Thr Ala Tyr Xaa' Ala Ala Cys Thr Ala Tyr Ala Xaa' Ala Cys Thr	Ala Tyr Ala Ala Xaa' Cys Thr Gly Ala Tyr Ala Ala Cys Xaa' Thr Gly Ala Tyr Ala Ala Cys Thr Xaa' Gly Ala Tyr Ala Ala Cys Thr Gly Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys X Ala Tyr Ala Ala Cys Thr Gly Cys X Ala Tyr Ala Ala Cys Thr Gly Cys X Ala Tyr Ala Ala Cys Thr Gly Cys	Xaa' Ala Tyr Ala Ala Cys Thr Gly Ala Xaa' Tyr Ala Ala Cys Thr Gly Ala Tyr Xaa' Ala Ala Cys Thr Gly Ala Tyr Ala Xaa' Ala Cys Thr Gly Ala Tyr Ala Ala Xaa' Cys Thr Gly Ala Tyr Ala Ala Cys Xaa' Thr Gly Ala Tyr Ala Ala Cys Xaa' Thr Gly Ala Tyr Ala Ala Cys Thr Xaa' Gly Ala Tyr Ala Ala Cys Thr Xaa' Gly	Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys
Xaa' Ile Xaa' Ile Xaa' Ile Xaa' Ile Xaa' Ile Ile Xaa'	Xaa' Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa' Xaa' Xaa'	Cys Cys Cys Cys Cys	11e Cys X 11e Cys X 11e Cys A 11e Cys A 11e Cys A 11e Cys A 11e Cys A
Gly Glu Xaa' Gly Glu Xaa' Gly Glu Xaa' Gly Glu Xaa' Gly Glu Xaa'	Glu Glu Glu Glu	61n 61n 61n 61n 61n	Glu Glu Glu Glu Glu Glu	Gly Glu Xaa'
Thr Cys Thr Cys Thr Cys Thr Cys Thr Cys Thr Cys	Thr Cys Thr Cys Thr Cys Thr Cys	Thr Cys Thr Cys Thr Cys Thr Cys Thr Cys	Thr Thr Thr Thr	Thr Cys
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Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys	Thr Gly Cys X	Thr Gly	Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys	Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys			Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys	Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys	Cys X	Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys	Cys Ala Tyr Ala Xaa' Ala Xaa'	Cys	Сув	Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys	Cys	Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys	Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly	Cys	Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys	Cys Ala Tyr Ala Ala Xaa' Cys Thr	Cys Ala Tyr	Cys	Cys	Cys Ala Tyr Ala Ala Cys Xaa' Thr	Cys Ala Tyr Ala Ala Cys Xaa' Thr	Суз	Cys Ala Tyr Ala	lle Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys	lle Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa'	Tyr	ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys	FIG. 4 (sheet 52 of 114)	
Gly Thr	Gly Thr	Gly Thr	Gly Thr Cys Xaa' Gly	Gly Thr Cys Xaa'	Gly Thr Cys Xaa' Gly	Gly Thr Cys Xaa'	Gly Thr Cys Xaa'	Gly Thr	' Gly	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu Xaa'	Gly Thr Cys Xaa' Gly Glu	Gly Thr Cys Xaa' Gly	Gly Thr Cys Xaa' Gly	Gly Thr Cys Xaa' Gly Glu	Gly Thr		

FIG. 4 (sheet 53 of 114)

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(SEQID NO:			(SEQID NO:	
Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Gly Gly Gly Gly Gly Gly Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Gly Gly Gly Cys Yaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Ala Cys Thr Gly Cys (Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (Cly Clu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Cly Cys Xaa' (Cly Clu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Cly Cys Xaa' (Cly Cly Cly Cys Xaa' Cys	Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Int Ciy Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Gly Glu ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys
Cys Cys Cys Cys		Cys Cys Cys Cys Cys	Cys Cys Cys Cys Cys	Thr Cys Xaa
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FIG. 4 (sheet 58 of 114)

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Glv Thr Cvs	Pro Gly Thr Cys Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys						

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FIG. 4 (sheet 60 of 114)

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Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa'	Gly Thr Cys	Gly Thr Cys Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys Xaa'	Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys Xaa'	Gly Thr Cys	Gly Thr Cys	Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa'	Gly Thr Cys Gly Xaa' Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr	Gly Thr Cys	FIG. 4 (sheet 61 of 114)															

FIG. 4 (sheet 62 of 114)

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Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly	Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly	Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Cys Ala Tyr Yaa' Yaa' Yaa' Ala Ala Cys Thr Gly Cys	Cys Ala Tyr Xaa' Ala Xaa'	Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly	Cys Ala Tyr Xaa' Ala Ala Cys Thr X	Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa'	Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly	Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr	Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly	Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly	Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa'	Cys Ala Tyr Ala	e Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys	Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly	Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly	Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys	Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa'	Cys Ala Tyr	Сув	Cys	Cys Ala Tyr	Cys Ala Tyr Ala	Cys Ala Tyr	Cys Ala Tyr	: Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys	FIG. 4	(Sueet 03 01 114)
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	GLY INT GLY Thr GLY Thr	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr	Gly Thr Cys Gly	Gly Thr Cys	Gly Thr Cys Gly	Gly Thr	Gly Thr Cys Gly	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys	Gly Thr Cys	Gly Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Xaa'									

FIG. 4 (sheet 64 of 114)
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Ala Tyr Ala Ala Cys Thr Xaa' Gly	ile Cys Ala Tyr Ala Ala Cys Thr Gly	Ala Tyr Ala Ala Cys Thr	Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa'	' Ile Cys Ala Tyr Ala Ala Cys Thr	a' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	a' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys	' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala	a' Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	' Xaa' Ile Cys Ala Xaa'	a' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	a' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	a' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	' Xaa' Ile Cys Ala	a' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	a' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	a' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly C	a' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	a' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	a' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	'Ile Xaa'	a' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	'Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr	a' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	а' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Сyв	a' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	a' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	'Ile Cys A	a' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	a' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	a' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	
Xaa' Gl	_	Xaa' Gl	Xaa' Gl	Xaa' Gl	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	Glu Xaa	
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Pro Gly 1	Gly	Gly	Gly	Gly	Glу	Glγ	G1y	G1y	Gly	G1y	G1y	Gly	Gly	$_{\rm Gly}$	Gly	G1y	Gly	Gly	Gly	$_{\rm Gly}$	$G_{1y}$	$_{\rm Gly}$	Gly	$\mathtt{Gly}$	Gly	Gly	$_{\rm Gly}$	$\mathtt{GLy}$	Gly	Gly	$\mathtt{Gly}$	$_{\rm Gly}$	

FIG. 4 (sheet 65 of 114)

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Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly	Cys Ala Xaa' Tyr Ala Aaa' Ala Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Cys Ala Tyr Xaa' Ala Ala Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly	IIIE CYS ALA TYT Xaa' ALA ALA CYS Thr Xaa' GlY CYS IIIE CYS ALA TYT Xaa' ALA ALA CYS Thr GLY Xaa' CYS IIIE CYS ALA TYT Xaa' ALA ALA CYS Thr GLY CYS Xaa' IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS Xaa' IIIE CYS ALA TYT ALA Xaa' ALA CYS Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' Xaa' Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA Xaa' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA XAA' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA XAA' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA XAA' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA XAA' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA XAA' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA XAA' CYS Thr Xaa' GLY CYS IIIE CYS ALA TYT ALA ALA XAA' CYS Thr Xaa' GLY CYS
Gly Thr Cys Gly Xaa' Glu	Gly Thr Cys Gly Xaa' Glu	Pro Gly Thr Cys Gly Xaa' Glu Xaa'

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Cys Thr Gly Xaa' Cys

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Glu Xaa	ı' Ile	Cys	Ala	$\mathbf{T}\mathbf{y}\mathbf{r}$	Ala	Ala	Xaa	' Cys	Thr	G1y	y Cys	; Xaa	_		
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Glu Xaa	a' Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Xaa	Thr		y Cys	xaa'	_	(SEQID NO:	
Glu Xaa	1' Ile	Сув	Ala	Tyr	Ala	Ala	Сув	$\operatorname{Thr}$	Xaa'	Gly	y Cys	<i>m</i>		(SEQID NO:	
Glu Xaa	ı' Ile	Cys	Ala	Tyr	Ala	Ala	Cys	$\operatorname{Thr}$	Xaa'	Хаа	a' Gly	y Cys		(SEQID NO:	
Glu Xaa	ı' Ile	Cys	Ala	$T_{YY}$	Ala	Ala	Cys	Thr	Xaa	Gly	y Xaa'	1' Cys	100	(SEQID NO:	
Glu Xaa	1' Ile	Cys	Ala	Tyr	Ala	Ala	Сув	$\operatorname{Thr}$	Xaa	G1y	y Cys	Xaa'	_	(SEQID NO:	
Glu Xaa	1' Ile		Ala	Tyr	Ala	Ala	Сув	$\operatorname{Thr}$	Gly	Xaa'	' Cys	**		(SEQID NO:	
Glu Xaa	ı' Ile		Ala	Tyr	Ala	Ala	Сув	$\mathtt{Thr}$	Gly	Xaa'	' Xaa'	1' Cys		(SEQID NO:	
Glu Xaa	ı' Ile		Ala	Tyr	Ala	Ala	CyB	$_{\mathrm{Thr}}$	$_{\rm Gly}$	Xaa'	· Cys	Xaa'		(SEQID NO:	
Glu Xaa	a' Ile	CyB	Ala	TYT	Ala	Ala	Сув	$_{ m Thr}$	Gly	Сув	Xaa'			(SEQID NO:	
Glu Xaa	1 Ile		Ala	Tyr	Ala	Ala	Сув	$_{ m Thr}$	$_{\rm Gly}$	Cys	Xaa	Xaa	-	(SEQID NO:	
Glu Ile	xaa'	Cys	Ala	$\mathbf{T}\mathbf{y}\mathbf{r}$	Ala	Ala	Cys	$\mathtt{Thr}$	Gly	Cys			_	(SEQID NO:	
Glu Ile	e Xaa'	Xaa	- CyB	Ala	a Tyr	r Ala	a Ala	а Суз	Thr	: Gly	y Cys	<i>m</i>		(SEQID NO:	
Glu Ile	e Xaa'	Xaa	' Xaa	_	Cys A	Ala T	Tyr A	Ala Ala	a Cys		Thr Gly	Y Cys	ຸທ	(SEQID NO:	
Glu Ile	e Xaa'	Xaa	Cys	Xaa'		Ala T	Tyr A	Ala Ala			Thr Gly	y Cys	Ñ	(SEQID NO:	
Glu Ile	e Xaa'	Xaa	- Cya	Ala	а Хаа	_	Tyr A	Ala Ala	a Cys		Thr Gly	y Cys	ĺυ	(SEQID NO:	
Glu Ile	xaa'	Xaa	- Cys	3 Ala	a Tyr	r Xaa'		Ala Ala	a Cys		Thr Gly		έσ	(SEQID NO:	
Glu Ile	xaa'	Xaa	Cys	Ala	a Tyr	r Ala	a Xaa'	a' Ala	a Cys		Thr Gly	_	Ñ	(SEQID NO:	
Glu Ile	Xaa'	Хаа	- Cys	Ala	a Tyr	r Ala	a Ala	a Xaa'	' Cys		Thr Gly		ັນ	(SEQID NO:	
Glu Ile	Xaa'	Xaa	· CyB	Ala	a Tyr	r Ala	a Ala	а Сув	Xaa'		Thr Gly	Ly Cys	ĺυ	(SEQID NO:	
Glu Ile	Xaa'	Xaa	· Cys	Ala	a Tyr	r Ala	a Ala	а Сув	Thr	: Xaa'	a' Gly			(SEQID NO:	
Glu Ile	Xaa'	Xaa	- CyB	Ala	a Tyr	r Ala	a Ala	a Cys	Thr	: Gly	y Xaa'	a' Cys		(SEQID NO:	
Glu Ile	Xaa'	Xaa	- Cys	Ala	a Tyr	r Ala	a Ala	а Сув	Thr		у сув	xaa'	_	(SEQID NO:	
Glu Ile	Xaa'	Cys	Xaa '	Ala	a Tyr	r Ala	a Ala	a Cys	Thr	: Gly	у сув	m		(SEQID NO:	
Glu Ile	Xaa'	Cys	Xaa	Xaa	_	Ala T	Tyr A	Ala Ala	a Cys		Thr Gly	Ly Cys	δυ	(SEQID NO:	
Glu Ile	Xaa'	Cys	Xaa'	Ala	а Хаа	_		Ala Ala	а Сув		Thr G	Gly Cys	Ď.	(SEQID NO:	
Glu Ile	Xaa'	Cys	Xaa'	Ala	a Tyr	r Xaa	_	Ala Ala	a Cye		Thr Gly	Ly Cya	Ď	(SEQID NO:	
Glu Ile	× Xaa'	Cys	Xaa'	Ala	a Tyr	r Ala	a Xaa'	a' Ala	a Cys		Thr G	Gly Cys	ĹΩ	(SEQID NO:	
Glu Ile	e Xaa'	Сув	Xaa	Ala	a Tyr	r Ala	a Ala	a Xaa		Сув Т	Thr G	Gly Cys	စ်	(SEQID NO:	
					1	FIG. 4	4								
				٣	sheet	(sheet 66 of 114)	f 114	<u>_</u>							
				•				•							

Xaa' Xaa'

Thr Thr Thr Thr Thr Thr

Gly Gly

Xaa

Gly Gly

Thr

61*y* 61*y* 61*y* 61*y* 

Xaa

Thr Thr Thr Thr Thr

Thr

61*y* 61*y* 61*y* 61*y* 61*y* 61*y* 61*y* 

G1y G1y G1y

Xaa

61y 61y 61y 61y 61y 61y 61y 61y 61y

Xaa

Xaa'

Cys

FIG. 4 (sheet 67 of 114)

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Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	Gly Xaa' Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (	Cys Gly Kaa' Glu Ile Kaa' Cys Ala Kaa' Tyr Ala Ala Kaa' Cys Thr Gly Cys	Cys Gly Kaa' Glu Ile Kaa' Cys Ala Kaa' Tyr Ala Ala Cys Kaa' Thr Gly Cys	Cys Gly Kaa' Glu Ile Kaa' Cys Ala Kaa' Tyr Ala Ala Cys Thr Kaa' Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa'	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa'	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys	Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa'	
Gly	Pro Gly Th Pro Glv Th	Gly	GJ,	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly.	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	G1y	Gly	G1y	Gly	Gly	Gly	G1y	Gly	Gly	Gly	

FIG. 4 (sheet 68 of 114)

(SEQID NO:				(SEQID NO:
tle Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (10 Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (11 Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (11 Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (11 Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (11 Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (11 Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (11 Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (11 Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (11 Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Cys Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Cys Xaa' Xaa' Ala Tyr Ala Xaa' Ala Ala Cys Thr Gly Cys Cys Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Cys Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Ala Cys Thr Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa'
Glu I Glu I Glu I Glu I Glu I				Glu I
Gly Thr Cys Gly Thr Cys Gly Thr Cys Gly Thr Cys Gly Thr Cys	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly Thr Cys Gly Thr Cys Gly Thr Cys Gly Thr Cys Gly Thr Cys	Pro Gly Thr Cys Gly Xaa'

Pro Gly The cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Cys The Gly Cys Pro Gly The cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Ala Cys The Gly Cys Pro Gly The cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys The Gly Cys Pro Gly The cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Cys The Xaa' Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Cys The Xaa' Cly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Xaa' Ala Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys The Gly Cys Pro Gly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Ala Cys Xaa' The Gly Cys Xaa' Ala Tyr Ala Ala Cys Xaa' The Gly Cys Xaa' Ala Tyr Ala Ala Cys Xaa' The Gly Cys Xaa' Ala Cys The Caly Cys Xaa' The Gly Cys Xaa' Ala Tyr Ala Ala Cys Xaa' The Gly Cys Xaa' Ala Cys The Caly The Cys Gly Xaa' Glu Ha Cys Xaa' Ala Tyr Ala Ala Cys The Xaa' Cys The Gly Cys Pro Gly The
Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Ala Cye The Cly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Ala Cye The Gly Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Ala Cye The Gly Cye Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Xaa' Ala Cye The Gly Cye Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Xaa' Ala Cye The Gly Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Xaa' Aye The Gly Cye Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Xaa' Cye The Gly Cye Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Xaa' Cye The Gly Cye Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Xaa' Cye The Gly Cye Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Xaa' Cye The Gly Cye Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Xaa' Cye The Gly Cye Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Xaa' Cye The Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Cye Xaa' The Gly Cye Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Cye Xaa' The Gly Cye Cly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Cye The Xaa' Gly Cye Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Cye The Xaa' Gly Cye Gly The Cye Gly Xaa' Glu IIe Cye Xaa' Ala Tyr Ala Ala Cye The Cye The Gly Xaa' Glu IIe Cye Xaa' Ala T

FIG. 4 (sheet 70 of 114)

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Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys	Ala Ala (aa' Ala	Tyr Ala Ala Cys Xaa' Thr Gly Tyr Ala Ala Cys Thr Xaa' Gly	Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys	Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Ala Xaa' Ala Cys Thr Gly	Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Ala Ala Cys Xaa' Thr Gly	Ala Cys Thr Xaa' Gly Ala Cys Thr Gly Xaa'	' Ala Ala Cys Thr Gly C Xaa' Ala Cys Thr Gly C	Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys	Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys	Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa'	Tyr Ala Ala Xaa' Cys Thr Gly Cys Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys	Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys	Xaa' Cys Thr Gly Xaa' Cys Thr Gly	Tyr Ala Ala Cys Xaa' Thr Gly Cys Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Gly The Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' 'Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' '	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' 'Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' 'Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa'' Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa''	Gly Thr Cys	Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' 'Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' '	Gly Thr Cys Gly Xaa' Glu Ile Cys Gly Thr Cys Gly Xaa' Glu Ile Cys	Gly Thr Cys Gly Thr Cys

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Ala Cys Xaa' Thr Gly Cys Ala Cys Xaa' Xaa' Thr Gly Ala Cys Xaa' Thr Xaa' Gly Ala Cys Xaa' Thr Gly Xaa'	a Ala Cys Xaa' 'Inr Gly Cys Xaa' a Ala Cys Thr Xaa' Gly Cys a Ala Cys Thr Xaa' Xaa' Gly Cys a Ala Cys Thr Xaa' Gly Xaa' Cys	Ala Cys Thr Xaa' Gly Cys X Ala Cys Thr Gly Xaa' Cys Ala Cys Thr Gly Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys X	Ala Cys Thr Gly Cys Xaa' Ala Cys Thr Gly Cys Xaa' Ala Cys Thr Gly Cys	<pre>' Xaa' Ala Cys Thr Gly Cys ' Xaa' Xaa' Ala Cys Thr Gly Cys ' Xaa' Ala Xaa' Cys Thr Gly Cys ' Xaa' Ala Cys Xaa' Thr Gly Cys</pre>	Xaa' Ala Cys Thr Xaa' Gly Xaa' Ala Cys Thr Gly Xaa' Xaa' Ala Cys Thr Gly Cys X Ala Xaa' Cys Thr Gly Cys	Ala Xaa' Ada' Cys Inr Gly Cys Ala Xaa' Cys Thr Xaa' Gly Cys Ala Xaa' Cys Thr Gly Xaa' Cys Ala Xaa' Cys Thr Gly Xaa' Cys	Thr Gly Xaa' Thr Thr Xaa' Thr Gly Thr Gly Thr Gly
	kaa' Ala Xaa' Ala Xaa' Ala Xaa' Ala			Ala Xaa' Ala Xaa' Ala Xaa' Ala Xaa'		Ala Xaa' Ala Xaa' Ala Xaa' Ala Xaa'	Ala Xaa' Ala Xaa' Ala Xaa' Ala Xaa' Ala Xaa' Ala Xaa'
7.7.7 7.7.7 7.7.7 7.7.7	1 2 1 1 1 1 1 1 1 1 1	Tyr Tyr Tyr Tyr	TYT TYT TYT	TYE TYE TYE TYE	Tyr Tyr Tyr	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1777 1777 1777 1777 1777
	Cys Ala Cys Ala Cys Ala Cys Ala		Cys Ala Cys Ala Cys Ala	Cys Ala Cys Ala Cys Ala Cys Ala		Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala	व्यवय्य
4444	Glu ile Glu ile Glu ile Glu ile	1 4 4 4 4	Glu Ile Glu Ile Glu Ile		Glu Ile Glu Ile Glu Ile Glu Ile		Glu Ile Glu Ile Glu Ile Glu Ile Glu Ile
Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa'	Xaa' Xaa' Xaa' Xaa'
Cys Cys Cys	Cys Cys Cys	Cys	Cys Cys Cys	Cy8 Cy8 Cy8	Cys Cys Cys	CY8 CY8 CY8 CY8	Cys Gly Cys Gly Cys Gly Cys Gly Cys Gly Cys Gly
							Gly Thr Gly Thr Gly Thr Gly Thr Gly Thr Gly Thr
							Pro G G G G G G G G G G G G G G G G G G G

FIG. 4	(sheet 73 of 114)
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IX Xaa' Gly Xaa' Cys IX Xaa' Gly Cys Xaa' IX Gly Xaa' Cys	Gly Cys Xaa' Gly Cys Xaa' Gly Cys S Thr Gly Cys a' Cys Thr Gly	GLY GLY KAR' CYE X CYE X GLY GLY	Thr Gly Kaa' Thr Gly Cys X Xaa' Gly Cys Xaa' Xaa' Gly Xaa' Gly Xaa' Xaa' Gly Xaa' Gly Xaa' Cys	Thr Gly Xaa' Cys Thr Gly Xaa' Cys Xaa' Thr Gly Cys
Xaa' Ala Cys Thr Xaa' Ala Cys Thr Xaa' Ala Cys Thr Xaa' Ala Cys Thr Xaa' Ala Cys Thr	Ala Cys T Ala Cys T Xaa' Cys T Xaa' Xaa' Xaa' Xaa'	Ala Xaa' Xaa' C Ala Xaa' Xaa' C Ala Xaa' Xaa' C Ala Xaa' Xaa' C Ala Xaa' Cys Xa Ala Xaa' Cys Xa Ala Xaa' Cys Xa	Xaa' Cys Xaa' Cys Xaa' Cys Xaa' Cys Xaa' Cys Xaa' Cys	Ala Xaa' Cys Thr Ala Xaa' Cys Thr Ala Xaa' Cys Thr Ala Cys Xaa' Thr Ala Cys Xaa' Xaa Ala Cys Xaa' Xaa Ala Cys Xaa' Xaa Ala Cys Xaa' Xaa
Ala Tyr Ala Ala Tyr Ala Ala Tyr Ala Ala Tyr Ala Ala Tyr Ala	Ala Tyr Ala	Cys Ala Tyr Ala Cys Ala Tyr Ala	Ala Tyr Ala Tyr Ala Tyr Ala Tyr Ala Tyr Ala Tyr	Cys Ala Tyr Ala
Xaa' Glu Ile Cys	Glu Ile Glu Ile Glu Ile Glu Ile Glu Ile	Xaa' Glu Ile Cys	Glu Ile	Xaa'       Glu       Ile       C)         Xaa'       Glu       Ile       C)
Thr Cys Gly	Thr Cys Gly	Thr Cys Gly	Thr Cys Gly	Thr Cys Gly
				Pro Gly

FIG. 4 (sheet 74 of 114)

Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Xaa Gly Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Xaa Gly Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Xaa Gly Xaa Gly Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Saa Gly Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Gly Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Gly Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Gly Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Gly Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Xaa Thir Gly Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Xaa Cly Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIe Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIE Cys Ala Tyr Ala Ala Cys Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIE Cys Ala Tyr Ala Ala Cys Thir Cay Thir Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIE Cys Ala Tyr Ala Ala Cys Thir Cay Cys Xaa Cys (SECID NO. Pro Gly Thir Cys Gly Xaa Glu IIE Cys Ala Tyr Ala Ala Cys Thir Gly Xaa Cys Xaa Cys Cac Gly Thir Cys Gly Xaa Glu IIE Cys Ala Tyr Ala Ala Cys Thir Gly Cys		~	^	^	~	_	^	~	~	_	~	~	~	~	~	~	_	_	_	~	~	^	~	~	~	~	~	~	_	^	~	_	_	
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FIG. 4 (sheet 75 of 114)

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FIG. 4 (sheet 76 of 114)

FIG. 4 (sheet 77 of 114)

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Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa'	Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Ile Cys Ala Tyr Ala Ala Cys Inr Gly Aaa' Aaa' Cys	Yaa' Ile Cys Ala Iyr Ala Ala Cys Inr Gly Xaa' Cys Xaa' الا تريم التاريخ الا كريم التاريخ الا كريم التاريخ الا	. Add. 11e Cys Ald 191 Ald Ald Cys 1111 Gly Cys Add. 1	' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys	' Ile Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (	' Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (	' Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	' Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (	' Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (	' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (	' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	' Ile Xaa' Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys	' Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	' Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	' Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys	' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (	' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	'Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys	' Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (	' Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (	' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (	' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (	
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FIG. 4 (sheet 78 of 114)

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cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys	Ala Ala Cys Thr	Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa'	Ala Tyr Xaa' Ala Ala Cys Thr Gly	Ala Tyr Xaa' Xaa' Ala Ala Cys Thr	$_{ m Thr}$	Ala Tyr Xaa' Ala Ala Xaa' Cys Thr	Ala	Ala Tyr Xaa' Ala Ala Cys Thr Xaa'	Ala Tyr Xaa' Ala Ala Cys Thr	Ala Tyr Xaa' Ala Ala Cys Thr Gly	Ala Tyr Ala Xaa' Ala Cys Thr Gly	Ala Tyr Ala Xaa' Xaa' Ala Cys Thi	Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly	Ala Cys Xaa' Thr Gly	Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly	Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa'	Ala Tyr Ala Xaa' Ala Cys Thr Gly	Ala Ala Xaa' Cys Thr Gly	Cys Thr	Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly	Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly	Ala Tyr Ala Ala Xaa' Cys Thr Gly	Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Ala Tyr Ala Ala Cys Xaa' Thr Gly	Ala Tyr Ala Ala Cys Xaa' Xaa' Thr		Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys	Ala Tyr Ala Ala Cys Xaa' Thr Gly	Ala Tyr Ala Ala Cys Thr Xaa' Gly	Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys	Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys	Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa'	Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	
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FIG. 4 (sheet 79 of 114)

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FIG. 4 (sheet 84 of 114)

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FIG. 4 (sheet 87 of 114)

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Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (St Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (St Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (St Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (St Clu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (St Chu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (St	Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Thr Gly Cys Xaa' (Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys	Ala Cys Thr Xaa' Gly Xaa' Cys Ala Cys Thr Xaa' Gly Cys Xaa' Ala Cys Thr Gly Xaa' Cys Ala Cys Thr Gly Xaa' Cys	Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys	Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' Cys Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Cly Cys Xaa' Cys Cys Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Cly Cys Xaa' Cys	Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Ala Cys Thr Gly Cys (S Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (S Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Thr Gly Cys (S Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (S Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (S Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (S Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (S Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Aa' Xaa' Xaa' Cys Thr Gly Cys (S
					Cys Gly
					61y Thr  G1y Thr

FIG. 4 (sheet 91 of 114)

(SEQID NO:	(SEQID NO: (SEQID NO: (SEQID NO:
a Ala Xaa' Cys Thr Xaa' Gly Cys a Ala Xaa' Cys Thr Gly Xaa' Cys a Ala Xaa' Cys Thr Gly Xaa' Cys a Ala Xaa' Cys Thr Gly Cys Xaa' a Ala Cys Xaa' Thr Gly Cys a Ala Cys Xaa' Thr Gly Cys a Ala Cys Xaa' Thr Gly Cys a Ala Cys Xaa' Thr Gly Xaa' Cys a Ala Cys Xaa' Thr Gly Xaa' Cys a Ala Cys Thr Xaa' Gly Cys a Ala Cys Thr Gly Xaa' Cys a Ala Cys Thr Gly Cys Xaa' a Ala Cys Thr Gly Cys a Cys Thr Gly Cys a Ala Cys Thr Gly Cys a Ala Cys Thr Gly Cys a Cys Thr Gly Cys a Ala Cys Thr Gly Cys a Cys Thr Gly Cys a Cys Thr Gly Cys a Ala Cys	a' Ala Xaa' Cys Thr Gly Cys Xaa' a' Ala Cys Xaa' Thr Gly Cys a' Ala Cys Xaa' Xaa' Thr Gly Cys
Xaa' Ala Xaa'	r Ala Xaa r Ala Xaa r Ala Xaa
Cys Ala Tyr	Ala Ala Ala
Cys Gly Glu Ile Xaa' Cys Gly Gly Gly Ile Xaa' Cys Gly Gly Gly Ile Xaa' Cys Gly Gly Gly Gly Gly Ile Xaa' Cys Gly Gly Gly Gly Gly Gly Gly Ile Xaa' Cys Gly	Gly Glu Ile Xaa' Gly Glu Ile Xaa' Gly Glu Ile Xaa'
Pro Gly Thr Cy Thr	Gly Thr Gly Thr Gly Thr

FIG. 4	(sheet 92 of 114)

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Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly	Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys	Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa'	Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys	Ala 1	Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys	Ala 1	Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys	Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys	Ala Tyr Ala Xaa' Ala Cys Thr	Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa'	Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa'	Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys	Ala	Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Thr Gly	Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly	Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly	Ala Tyr Ala Ala Xaa' Xaa' Cys Thr	Ala Tyr Ala Ala Xaa' Xaa' Cys Thr	s Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys	Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly	s Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys	Ala Tyr Ala Ala Xaa' Cys Xaa' Thr	s Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa'	Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly (	s Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys	s Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys	s Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa'	s Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys	Ala Tyr Ala Ala Xaa' Cys Thr	s Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys	7 713			
Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys Gly Glu Ile Xaa'	Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys Gly Glu Ile Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	

	GLY CYS (SEQID NO: )	Thr Gly Cys (SEQID NO: )	Thr Gly Cys (SEQID NO: )	Thr Gly Cys (SEQID NO:	Thr Gly Cys (SEQID NO: )	Thr Gly Cys (SEQID NO: )	Thr Gly Cys (SEQID NO: )	Xaa' Gly Cys (SEQID NO: )	Gly Xaa' Cys (SEQID NO: )	Cys Xaa'	_	Gly Cys (SEQID	Gly Cys (SEQID	Cys (SEQID	cys (SEQID	cys (SEQID	(SEQID		Cys Xaa' (SEQID	(SEQID	cys (SEQID	Cys (SEQID	Gly Cys (SEQID	Thr Gly Cys (SEQID NO:	Xaa' Gly Cys (SEQID NO:	Xaa' Cys (SEQID	Cys Xaa' (SEQID			Thr Gly Cys (SEQID NO:	cys (SEQID	Xaa' Gly Cys (SEQID NO: )	Gly Xaa' Cys (SEQID NO: )		
Ala Tyr Ala Ala Cys Thr Gly Cys	Xaa' Ala Tyr Ala Ala Cys Thr G	Xaa' Xaa' Ala Tyr Ala Ala Cys	Xaa' Ala Xaa' Tyr Ala Ala Cys	Xaa' Ala Tyr Xaa' Ala Ala Cys	Xaa' Ala Tyr Ala Xaa' Ala Cys	Xaa' Ala Tyr Ala Ala Xaa' Cys	Xaa' Ala Tyr Ala Ala Cys Xaa'	Xaa' Ala Tyr Ala Ala Cys Thr X	Xaa' Ala Tyr Ala Ala Cys Thr G	Xaa' Ala Tyr Ala Ala Cys Thr G	Ala Xaa' Tyr Ala Ala Cys Thr G	Ala Xaa' Xaa' Tyr Ala Ala Cys	Ala Xaa' Tyr Xaa' Ala Ala Cys	Ala Xaa' Tyr Ala Xaa' Ala Cys	Ala Xaa' Tyr Ala Ala Xaa' Cys	Ala Xaa' Tyr Ala Ala Cys Xaa'	Ala Xaa' Tyr Ala Ala Cys Thr X	Ala Xaa' Tyr Ala Ala Cys Thr G	Ala Xaa' Tyr Ala Ala Cys Thr G	Cys Thr	Ala Tyr Xaa' Xaa' Ala Ala Cys	Ala Tyr Xaa' Ala Xaa' Ala Cys	Xaa' Cys	Ala Tyr Xaa' Ala Ala Cys Xaa'	Ala Tyr Xaa' Ala Ala Cys Thr X	Cys Thr	Tyr Xaa' Ala Ala Cys Thr	Ala Tyr Ala Xaa' Ala Cys Thr G	Ala Tyr Ala Xaa' Xaa' Ala Cys	Ala Tyr Ala Xaa' Ala Xaa' Cys	Ala Tyr Ala Xaa' Ala Cys Xaa'	Ala Tyr Ala Xaa' Ala Cys Thr >	Ala Tyr Ala Xaa' Ala Cys Thr C	FIG. 4	(sheet 94 of 114)
Gly Thr Cys	Gly Thr Cys	Gly Thr	Gly Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr	Thr Cys	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr Cys	Gly Thr	Gly Thr Cys Gly Glu	Gly Thr Cys Gly Glu	Gly Thr Cys Gly Glu ]	Gly Thr Cys Gly Glu	Gly Thr Cys Gly Glu	Gly Thr	Gly Thr Cys	Gly										

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Glv Thr	Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Xaa'	Gly Thr Cys Gly Glu Ile	Gly Thr Cys	Gly Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly (	Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr	Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr	Gly Thr	Gly Thr	Gly Thr Cys	Gly Thr Cys Gly Glu	Gly Thr	Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr	Gly Thr	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly	Gly Thr	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly C	Xaa' Ala Ala Cys Thr Gly	Gly Thr	FIG. 4	(sheet 95 of 114)				

FIG. 4 (sheet 96 of 114)

(SEQID NO:	(SEQID NO:
Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Tyr Ala Ala Cys Thr Xaa' Cys Xaa' Tyr Ala Ala Cys Thr Cys Xaa	Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys  Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys
Ala	
Gly Thr Cys Gly Glu Ile Cys S Gly Thr Cys Gly Glu Ile Cys S Gly Glu Ile Cys S Gly Thr Cys Gly Glu Ile Cys Gly Thr Cys Gly Gly Glu Ile Cys Cys Gly Thr Cys Gly Gly Glu Ile Cys Cys Cys Cyc Cys Gly Gly Glu Ile Cys Cys Cys Cys Cys Cys Gly Gly Glu Ile Cys Cys Cys Cys Cys Cys Cys Cy	Gly Thr Cys Gly Thr Cys Gly Thr Cys
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Xaa' Xaa' Ala Ala Cys Thr Gly Cys	Xaa' Ala Xaa' Ala Cys Thr Gly Cys	Xaa' Ala Ala Xaa' Cys Thr Gly Cys	Xaa' Ala Ala Cys Xaa' Thr Gly Cys	Xaa' Ala Ala Cys Thr Xaa' Gly Cys	Xaa' Ala Ala Cys Thr Gly Xaa' Cys	Xaa' Ala Ala Cys Thr Gly Cys Xaa'	Ala Xaa' Ala Cys Thr Gly Cys	Ala Xaa' Xaa' Ala Cys Thr Gly Cys	Ala Xaa' Ala Xaa' Cys Thr Gly Cys	Ala Xaa' Ala Cys Xaa' Thr Gly Cys	Ala Xaa' Ala Cys Thr Xaa' Gly Cys	Ala Xaa' Ala Cys Thr Gly Xaa' Cys	Ala Xaa' Ala Cys Thr Gly Cys Xaa'	Ala Ala Xaa' Cys Thr Gly Cys	Gly		Ala Ala Xaa' Cys Thr Xaa' Gly Cys	Ala Ala Xaa' Cys Thr Gly Xaa' Cys	Ala Ala Xaa' Cys Thr Gly Cys Xaa'	Ala Ala Cys Xaa' Thr Gly Cys	Ala Ala Cys Xaa' Xaa' Thr Gly Cys	Ala Ala Cys Xaa' Thr Xaa' Gly Cys	Ala Ala Cys Xaa' Thr Gly Xaa' Cys	Ala Ala Cys Xaa' Thr Gly Cys Xaa'	Ala Ala Cys Thr Xaa' Gly Cys	Ala Ala Cys Thr Xaa' Xaa' Gly Cys	Ala Ala Cys Thr Xaa' Gly Xaa' Cys	Ala Ala Cys Thr Xaa' Gly Cys Xaa'	Ala Ala Cys Thr Gly Xaa' Cys	Ala Ala Cys Thr Gly Xaa' Xaa' Cys	Ala Ala Cys Thr Gly Xaa' Cys Xaa'	Ala Ala Cys Thr Gly Cys Xaa'	Ala Ala Cys Thr Gly Cys Xaa' Xaa'	FIG. 4	(sneet 9 / 01 114)
Glu ile Cvs Xaa' Ala Tyr Xaa' X	Ile Cys Xaa' Ala Tyr Xaa'	Ile Cys Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Ile Cys Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa' X	Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa' F	Glu Ile Cys Xaa' Ala Tyr Xaa' P	Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Cys Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Cys Xaa' Ala Tyr Xaa'	Cys Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'	Glu Ile Cys Xaa' Ala Tyr Xaa'		(S)
Glv Thr	Gly Thr Cvs Gly	Gly Thr Cys Gly	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr	Gly Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Pro Gly Thr Cys Gly		

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Ala Cys Thr Gly Cys	Xaa' Ala Cys Thr Gly Cys	Xaa' Xaa' Ala Cys Thr Gly Cys	Xaa' Ala Xaa' Cys Thr Gly Cys	Thr	Xaa' Ala Cys Thr Xaa' Gly Cys	Xaa' Ala Cys Thr Gly Xaa' Cys	Xaa' Ala Cys Thr Gly Cys Xaa'	Ala Xaa' Cys Thr Gly Cys	Ala Xaa' Xaa' Cys Thr Gly Cys		Ala Xaa' Cys Thr Xaa' Gly Cys	Ala Xaa' Cys Thr Gly Xaa' Cys	Ala Xaa' Cys Thr Gly Cys Xaa'	Ala Cys Xaa' Thr Gly Cys	Ala Cys Xaa' Xaa' Thr Gly Cys	Gly	Gly Xaa'	Ala Cys Xaa' Thr Gly Cys Xaa'	Ala Cys Thr Xaa' Gly Cys	GΊγ	Xaa '	Ala Cys Thr Xaa' Gly Cys Xaa'	Ala Cys Thr Gly Xaa' Cys	Ala Cys Thr Gly Xaa' Xaa' Cys	Ala Cys Thr Gly Xaa' Cys Xaa'	Cys Xaa'	$_{ m G1y}$	Xaa' Cys Thr Gly Cys	11y 0	Gly		Gly	Xaa' Xaa' Cys Thr Gly Xaa' Cys	
Tyr Ala Xaa' A	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Xaa'	Tyr Ala Ala	a Tyr Ala Ala X	Tyr Ala Ala	Tyr Ala Ala	a Tyr Ala Ala X	Tyr Ala Ala	į
Glu Ile Cys Xaa' Ala	Ile Cys	Ile Cys Xaa'	Ile Cys	Ile Cys	Glu Ile Cys Xaa' Ala	Ile Cys	ile (	Ile (	ile Cys	Ile Cys	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Ile	Glu Ile Cys Xaa' Ala	Ile	Ile	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Ile	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	Glu Ile Cys Xaa' Ala	
Gly Thr Cvs Gly	Gly Thr Cvs Gly	Gly Thr Cvs Gly	Gly Thr Cvs Gly	Gly Thr Cys Gly	Glv Thr Cvs Glv	Glv Thr Cvs Glv	Gly Thr Cys Gly	Glv Thr Cvs Glv	Gly Thr Cvs Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Glv Thr Cvs Glv	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cvs Gly	Gly Thr Cvs Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cys Gly	Gly Thr Cvs Gly	Gly Thr Cys Gly	Pro Gly Thr Cys Gly (	1			

FIG. 4 (sheet 98 of 114)

FIG. 4 (sheet 99 of 114)

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Cys Xaa' Thr Gly Cys Xaa' Cys Xaa' Thr Gly Cys Cys Xaa' Xaa' Thr Gly Cys Cys Xaa' Thr Xaa' Gly Cys Cys Xaa' Thr Gly Xaa' Cys Cys Xaa' Thr Gly Cys Xaa'	Cys Thr Xaa' Gly Cys Cys Thr Xaa' Kaa' Gly Cys Thr Xaa' Gly Xaa' Cys Thr Xaa' Gly Cys	Cys Thr Gly Xaa' Cys Thr Gly Xaa' Cys Thr Gly Xaa' Cys Thr Gly Cys X Cys Thr Gly Cys X	Xaa' Xaa' Thr Gly Cys Xaa' Xaa' Xaa' Thr Gly Xaa' Xaa' Thr Gly Xaa' Xaa' Xaa' Thr Gly Cys Xaa' Thr Xaa' Gly Cys Xaa' Thr Xaa' Gly Cys Xaa' Thr Xaa' Gly Cys	s Xaa' Thr Xaa' Gly Cys Xaa's Xaa' Thr Gly Xaa' Cys Xaa' Thr Gly Xaa' Cys Xaa' Cys Xaa' Thr Gly Xaa' Cys Xaa' Thr Gly Cys Xaa' Xaa' B Thr Xaa' Gly Cys Xaa' Xaa' S Thr Xaa' Xaa' Gly Cys Thr Xaa' Xaa' Gly Xaa' Cys
Ala	Ala Tyr Ala Ala	Tyr Ala Ala Tyr Ala Ala Tyr Ala Ala Tyr Ala Ala Tyr Ala Ala	Ala Tyr Ala Ala	Xaa' Ala Tyr Ala Ala Cys
Thr Cys Gly Glu Ile Cys	Thr Cys Gly Glu Lie Cys Thr Cys Gly Glu Ile Cys Thr Cys Gly Glu Ile Cys Thr Cys Gly Glu Ile Cys	Thr Cys Gly Glu Ile Cys	Thr Cys Gly Glu Ile Cys	Thr Cys Gly Glu Ile Cys
				Pro Gly

FIG. 4 (sheet 100 of 114)

Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Xaa' Gly Xaa' Cys S GEOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Xaa' Gly Xaa' Xaa' Cys S GEOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Xaa' Gly Xaa' Xaa' Cys S GEOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Xaa' Gly Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Xaa' Gly Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Xaa' Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Xaa' Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Xaa' Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Xaa' Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Xaa' Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Xaa' Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Xaa' Ala Tyr Ala Ala Cys Thu Cly Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thu Cly Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thu Cly Cys Xaa' Xaa' (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thu Cly Cys Thu Cly Cys (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thu Cly Cys Thu Cly Cys (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thu Cly Cys Thu Cly Cys (SECOID NO: Pero Gly Thur Cys Gly Glu I I E Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thu Cys Tyr Gly Gly Glu I I E Cys Ala Xaa' Xaa' Xaa' Yar Ala Ala Cys Thu C																																_		_	
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	ון אוס עלם 'Xaa' Gly Cys Xaa' אום איר איר אום אום בא איר יום איר יינה איר יינה איר יינה איר יינה איר יינה אירי	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa'	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa'	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa'	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa'	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa'	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa'	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa'	Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa'	1

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איין אליד עובו	Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile	Gly Thr Cys	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	

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Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa'	Gly Thr Cys	Gly Thr	Gly Thr	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly C	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly (	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr	Gly Thr	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr	Gly Thr	Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys	(Sucet 102 of 114)

FIG. 4 (sheet 103 of 114)	

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Xaa' Xaa' Ala Cys Thr Xaa' Gly Xaa' Xaa' Ala Cys Thr Gly Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys X Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' Ala Xaa' Xaa' Cys Thr Gly	Xaa' Ala Xaa' Cys Xaa' Thr Xaa' Ala Xaa' Cys Thr Xaa' Xaa' Ala Xaa' Cys Thr Gly Xaa' Ala Xaa' Cys Thr Gly	Xaa' Ala Cys Xaa' Thr Gly Xaa' Ala Cys Xaa' Xaa' Thr Xaa' Ala Cys Xaa' Thr Xaa' Xaa' Ala Cys Xaa' Thr Gly Xaa' Ala Cys Xaa' Thr Gly	Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' Ala Cys Thr Xaa' Gly Xaa' Xaa' Ala Cys Thr Xaa' Gly Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' Ala Cys Thr Caa' Cys Xaa'	Xaa' Ala Cys Thr Gly Xaa' X Xaa' Ala Cys Thr Gly Xaa' C Xaa' Ala Cys Thr Gly Cys Xa Xaa' Ala Cys Thr Gly Cys Xa Ala Xaa' Cys Thr Gly Cys A	Ala Xaa' Xaa' Ala Xaa' Xaa' Ala Xaa' Xaa' Ala Xaa' Xaa' Ala Xaa' Cys A
Tyr Ala Tyr Ala Tyr Ala Tyr Ala	Tyr Ala Tyr Ala Tyr Ala Tyr Ala	Tyr Ala Tyr Ala Tyr Ala Tyr Ala		Tyr Ala Tyr Ala Tyr Ala Tyr Ala Tyr Ala	Tyr Ala
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Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Gly Thr Cys Gly Glu Ile Cys Ala Xaa'	Gly Thr Cys Gly Glu ile Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr Gly Thr Cys Gly Glu Ile Cys Ala Tyr	lle Cys Ala Tyr lle Cys Ala Tyr	Gly Thr Cys Gly Glu Ile Cys Ala

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Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Xaa' Ala Ala	Ala Xaa' Ala	Ala Xaa' Xaa'	Ala Xaa' Xaa'	Ala Xaa' Xaa'	Ala Xaa' Xaa'	Ala Xaa' Xaa'	Ala Xaa' Xaa'	Ala Xaa' Xaa'	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	Ala Xaa' Ala	(
Ala Tvr Xaa' Xa	Tyr Xaa'	Xaa	Ala Tyr Xaa' Xa	. Xaa	Ala Tyr Xaa' Xa	Ala Tyr Xaa' Xa	Ala Tyr Xaa' Xa	Xaa	Ala Tyr Xaa' Xa	Ala Tyr Xaa' Xa	Ala Tyr Xaa' X	Xaa	Xaa	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Xaa	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Xaa	Xaa	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Xaa	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	Ala Tyr Xaa' A	
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Gly Thr Cva	Gly Thr Cys	Pro Gly Thr Cys G	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	

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	FIG	eet 107

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Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa'	Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys Tyr Xaa' Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys	Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys	Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys Thr Xaa' Gly Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys	Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa'  Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa'  Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa'  Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys  Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys  Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys  Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys  Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys  Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys  Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys
Thr Cys Gly Glu Ile Cys Ala	Thr Cys Gly Glu Ile Cys Ala	Thr Cys Gly Glu Ile Cys Ala	Thr Cys Gly Glu Ile Cys Ala	Thr Cys Gly Glu Ile Cys Ala
				Pro Gly

FIG. 4 (sheet 108 of 114)

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(SEQID NO:	(SEQID NO: (SEQID NO: (SEQID NO: (SEQID NO: (SEQID NO:	(SEQID NO:	(SEQID NO:	
Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys	Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Thr Xaa' Gly Cys	Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Xaa' Gly Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Gly Cys Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa'	Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Ile Cys Xaa' Thr Gly Cys Ile Cys Xaa' Thr Gly Cys Ile Cys Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa' Xaa	the cyal and the cyal man are the man are the cyal and the cyal and the cyal are th
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FIG. 4 (sheet 109 of 114)

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Xaa' Ala Cys Thr Xaa' Ala Cys Thr Ala Xaa' Cys Thr Ala Cys Xaa' Thr Ala Cys Thr Xaa' Ala Cys Thr Cay' Ala Cys Thr Cay'	Xaa' Cys Thr Gly Cys Xaa' Xaa' Cys Thr Xaa' Gly Cys Xaa' Xaa' Cys Thr Gly Xaa' Cys Xaa' Xaa' Cys Thr Gly Cys Xaa' Xaa' Thr Gly Cys Xaa' Xaa' Thr Gly Cys Xaa' Cys Xaa' Thr Gly Cys
	xaa' Ala xaa' Ala xaa' Ala xaa' Ala xaa' Ala xaa' Ala xaa' Ala
Ile Cys Ala Tyr Ala	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala

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Ala Xaa' Cys Xaa' Thr Gly	' Ala Xaa' Cys Thr Xaa'	' Ala Xaa' Cys Thr Xaa' Gly Xaa'	' Ala Xaa' Cys Thr Xaa' Gly Cys Xaa'	' Ala Xaa' Cys Thr Gly Xaa' Cys	' Ala Xaa' Cys Thr	' Ala Xaa' Cys Thr Gly Xaa' Cys Xaa'	' Ala Xaa' Cys Thr	' Ala Xaa' Cys Thr Gly Cys Xaa' Xaa'	' Ala Cys Xaa' Thr Gly Cys	' Ala Cys Xaa' Xaa' Thr Gly Cys	' Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys	' Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys	' Ala Cys Xaa' Xaa' Thr	' Ala Cys Xaa' Xaa' Thr Gly Cys Xaa'	' Ala Cys Xaa' Thr Xaa' Gly Cys	' Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys	' Ala Cys Xaa' Thr Xaa'	' Ala Cys Xaa' Thr Xaa' Gly Cys Xaa'	' Ala Cys Xaa' Thr Gly Xaa' Cys	' Ala Cys Xaa' Thr	' Ala Cys Xaa' Thr Gly Xaa' Cys Xaa'	' Ala Cys Xaa' Thr	' Ala Cys Xaa' Thr Gly Cys Xaa' Xaa'	' Ala Cys Thr Xaa' Gly Cys	' Ala Cys Thr Xaa' Xaa' Gly Cys	' Ala Cys Thr Xaa' Xaa' Gly Cys	' Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys	' Ala Cys Thr Xaa' Xaa' Gly Cys Xaa'	' Ala Cys Thr Xaa' Gly Xaa' Cys	' Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys	' Ala Cys Thr Xaa' Gly Xaa' Cys Xaa'	' Ala Cys Thr Xaa' Gly Cys Xaa'	FIG. 4	(sneet 110 of 114)
Ala Tyr Ala	Gly Thr Cys Gly Glu Ile Cys Ala Tyr.	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr Cys	Gly Thr	Gly Thr Cys Gly Glu	Gly Thr	Gly Thr Cys	Gly Thr	Gly Thr Cys	Gly Thr	Gly Thr Cys	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr	Gly Thr		

FIG (sheet 111
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Glv Thr Cvs	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Xaa' Gly	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala	Gly Thr Cys Gly Glu Ile Cys Ala	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile Cys Ala	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa'	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa'	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa'	Gly Thr Cys Gly Glu Ile	Gly Thr Cys	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr	Gly Thr Cys (	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr	Gly Thr Cys (	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr	Gly Thr Cys	CyB (	(sheet 112 of 114)

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Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Xaa' Thr Gly Cys Gly	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Xaa' Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Inr Xaa' Gly Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Xaa' Gly Cys (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Xaa' Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys Xaa' (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Xaa' Cys (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys Xaa' (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Xaa' Cys (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys Xaa' (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Xaa' Cys (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys Xaa' (	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Xaa' Cys	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' Xaa'	Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys	
Thr Cys Thr Cys																															
G17 G17	Gly Sly	Gly	ָלָ טַּלָלָ	Gly	Gly	Gly	Gly	Gly	Gly	$_{\rm Gly}$	Gly	Gly	Gly	Gly	Gly	Gly	Gly	GLy	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	$_{\rm G1y}$	Gly	$_{\rm Gly}$	
Pro Pro	Pro	Pro	Pro	Pro	Pro	Prc	Prc	Prc	Prc	Pro	Prc	Prc	Pro	Prc	Prc	Pro	Pro	Prc	Pro	Prc	Prc	Prc	Prc	Prc	Prc	Pro	Pro	Pro	Pro	Pro	

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Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Xaa' Gly Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Xaa' Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa'	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala	Gly Thr Cys	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa'	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa'	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr	Gly Thr Cys	Gly Thr Cys

FIGURE 5

PGTCEICAYAACTGC (human) (SEQ ID NO: )	PGTCAEICAYAACTGC (SEQ ID NO:
PGTCEICASAACTGC (SEQ ID NO:	PGTCEAICAYAACTGC (SEQ ID NO:
PGTCEICATAACTGC (SEQ ID NO:	PGTCELACAYAACTGC (SEQ ID NO:
PGTCEICANAACTGC (SEQ ID NO:	PGTCEICAAYAACTGC (SEQ ID NO:
PGTCEICAQAACTGC (SEQ ID NO:	PGTCEICAYAAACTGC (SEQ ID NO:
PGTCEICARAACTGC (SEQ ID NO:	PGTCEICAYAACAIGC (SEQ ID NO:
PGTCEICAEAACTGC (SEQ ID NO:	PGTCEICAYAACTAGC (SEQ ID NO:
PGTCEICADAACTGC (SEQ ID NO:	PGTCEICAYAACTGAC (SEQ ID NO:
PGTCEICAGAACTGC (SEQ ID NO:	PGTCAEICAAYAACTGC (SEQ ID NO: )
PGTCEICAAAACTGC (SEQ ID NO:	PGTCEAICAAYAACTGC (SEQ ID NO: )
PGTCEICAMAACTGC (SEQ ID NO:	PGTCEIACAAYAACTGC (SEQ ID NO: )
PGTCEICAIAACTGC (SEQ ID NO:	SHTCEICAFAACAGC (SEQ ID NO:
PGTCEICALAACTGC (SEQ ID NO:	STCEICAYAACAGC (SEQ ID NO:
PGTCEICAVAACTGC (SEQ ID NO:	PNTCEICAYAACTGC (SEQ ID NO: )
PGTCEICAHAACTGC (SEQ ID NO:	PDPCEICANAACTGCL (SEQ ID NO: )
PGTCEGICAYAACTGC (SEQ ID NO:	YDECEICMFAACTGC) (SEQ ID NO:
PGTCEIGCAYAACTGC (SEQ ID NO:	VCEICAFAACTGC (SEQ ID NO:
PGTCEICGAYAACTGC (SEQ ID NO:	PDVCDVCAFAACSGC (SEQ ID NO:
PGTCEICAGYAACTGC (SEQ ID NO:	LDLCEICAFAACTGC (SEQ ID NO:
PGTCEICAYGAACTGC (SEQ ID NO:	VDVCEICAFAACTGC (SEQ ID NO:
PGTCEICAYAGACTGC (SEQ ID NO:	LDICEICAFAACTGC ( (SEQ ID NO )
PGTCEICAYAAGCTGC (SEQ ID NO:	·
PGTCEICAYAACGTGC (SEQ ID NO:	
PGTCEICAYAACTGGC (SEQ ID NO:	